



End Term Examinations (April/May 2019)

School: School of Engineering

Program: BTECH- CTIS/ MACT/ IT DS

Course: Information Security

Course Code: CSC231

Semester: IV

Max Marks: 30

Duration (mins): 60 mins

Note- 1. Figures to the right indicates full marks.

2. Attempt any three questions.

Q1)

- a) List and explain firewall and its types. (5)
- b) Explain the types of attacks on LAN. (5)

Q2)

- a) Define CIA Triad. (2)
- b) Define malware and explain its types. (8)

Q3)

- a) Define and list advantages of information security. (2)
- b) Define cryptography and list its application. (2)
- c) Explain password cracking techniques with example. (6)

Q4)

- a) List and explain types of encryption and decryption techniques. (5)
- b) Differentiate virus and worm. (5)

Q5)

- a) Find out the cipher text when plain text is "BTech 2019 Batch" using Caesar Cipher technique where key is 3. (2)
- b) Define hashing. Explain with appropriate diagram the concept of Message Authentication Code (MAC) and how digital signature is used to overcome the drawback of MAC. (8)

*******ALL THE BEST*******